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FIG. 1

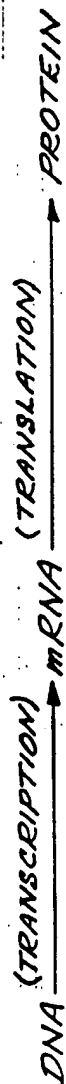
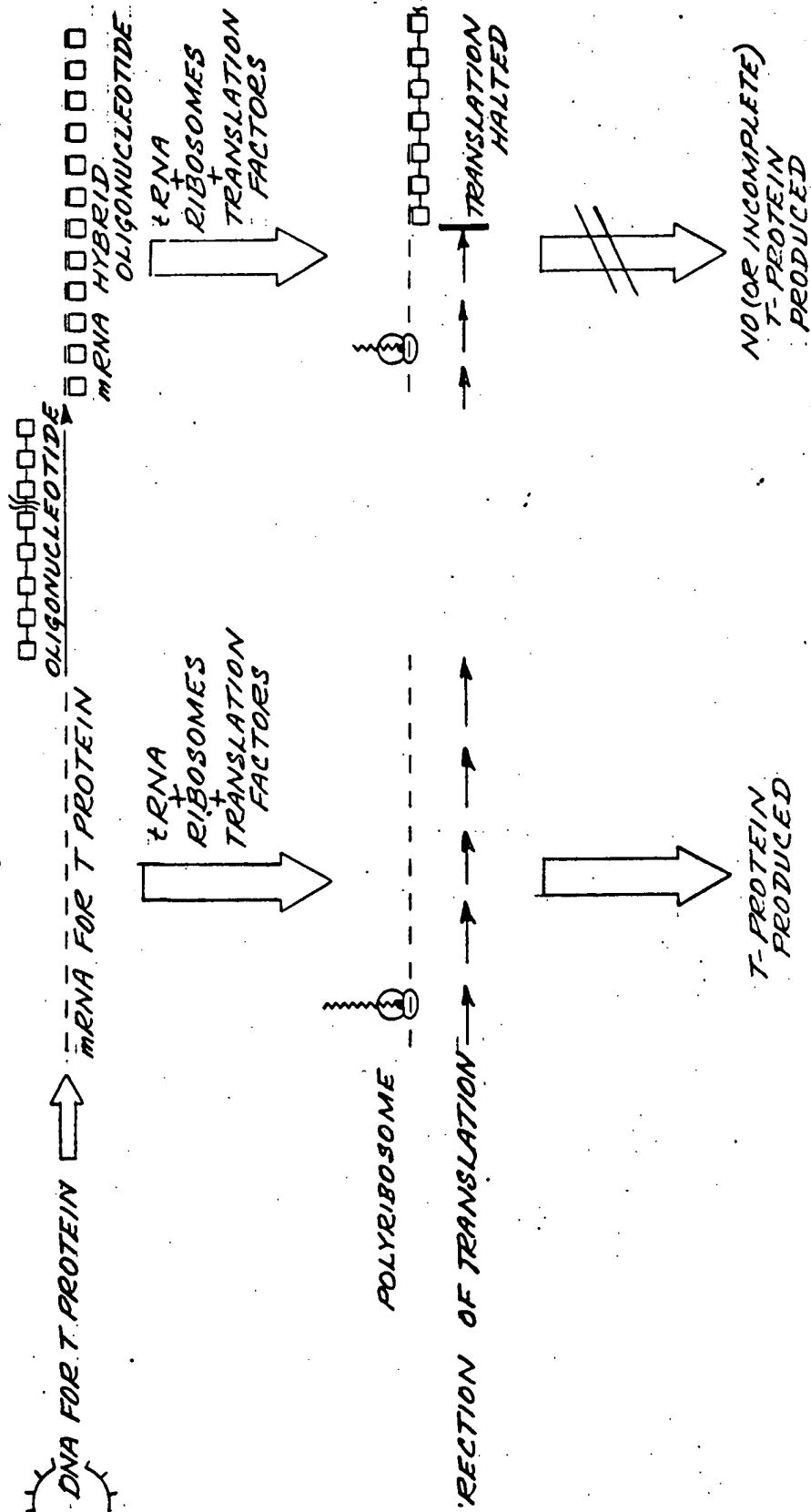


FIG. 2



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5-1

FIG. 3

OLIGONUCLEOTIDE SPECIFIC FOR SV-40 T PROTEIN

VIRAL DNA (CODING) 3'...G A A A C G T T T C T A C C T A T T T C...5'

VIRAL T PROTEIN
mRNA 5'...C U U U G C A A A G A U G G A U A A A G...3'T PROTEIN SPECIFIC
OLIGONUCLEOTIDE 3'...G A A A C G T T T C T A C C T A T T T C...5'

FIG. 7

OLIGONUCLEOTIDE SPECIFIC FOR FOLLICLE STIMULATING
HORMONE

PROTEIN SEQUENCE:

N TERMINUS....THR TRP CYS ALA GLY TYR CYS TYR THR...C TERMINUS.

mRNA PREDICTED:

5'END ACX UGG UGC GCX GGX UAC UGU UAC ACX 3'END

FSH
OLIGONUCLEOTIDE
FAMILY:3'END TCG ACC ACG CCG CCG ATG ACG ATG TG- 5'END
(7) (7) (7)

FIG. 4
CONSTRUCTION OF HIGH YIELD PLASMID CONTAINING
THE T PROTEIN OLIGONUCLEOTIDE

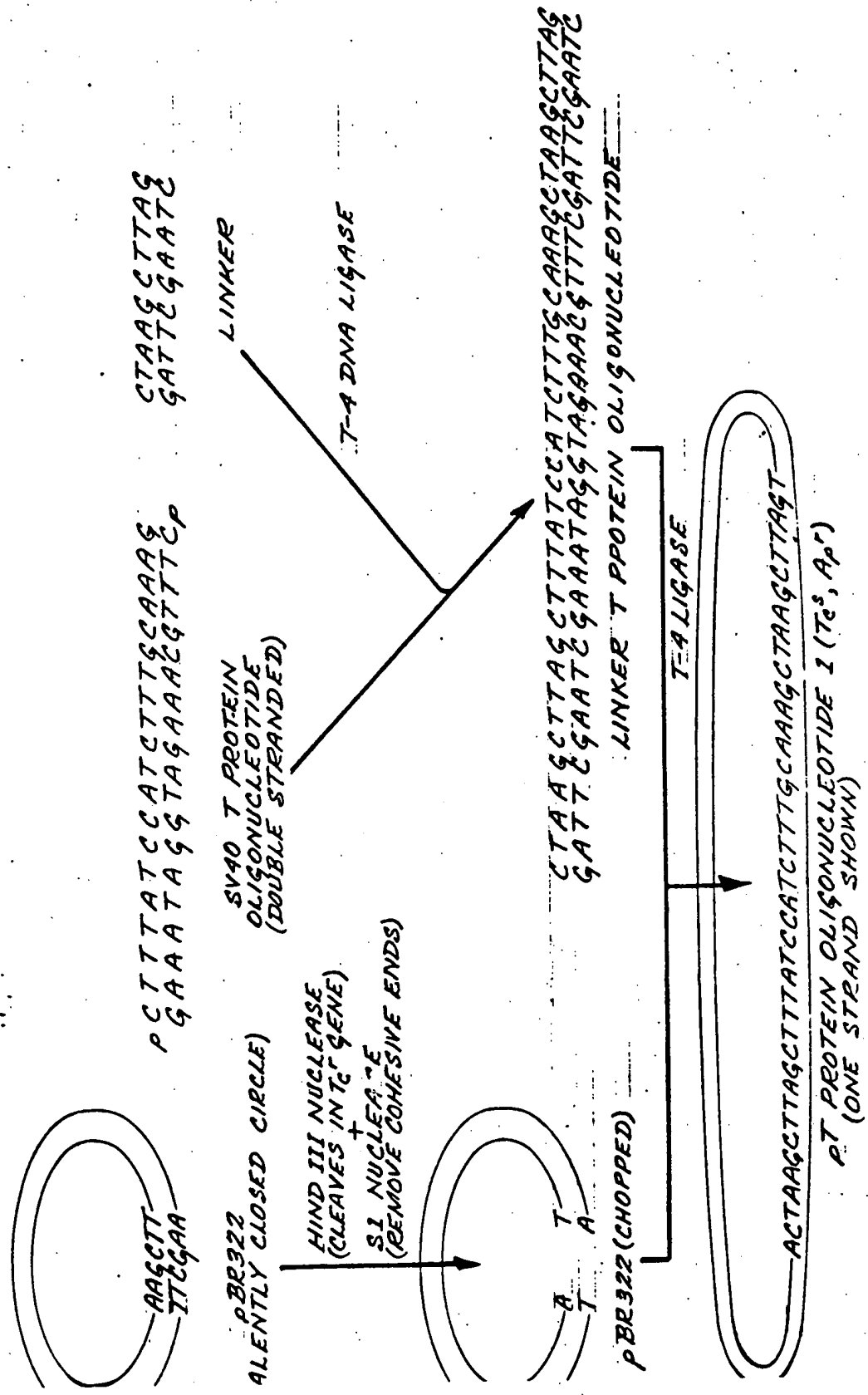


FIG. 5

PRODUCTION OF SV-40 T PROTEIN OLIGONUCLEOTIDE FROM
PT OLIGONUCLEOTIDE USING RESTRICTION NUCLEASE
CLEAVAGE TO RELEASE FRAGMENTS.

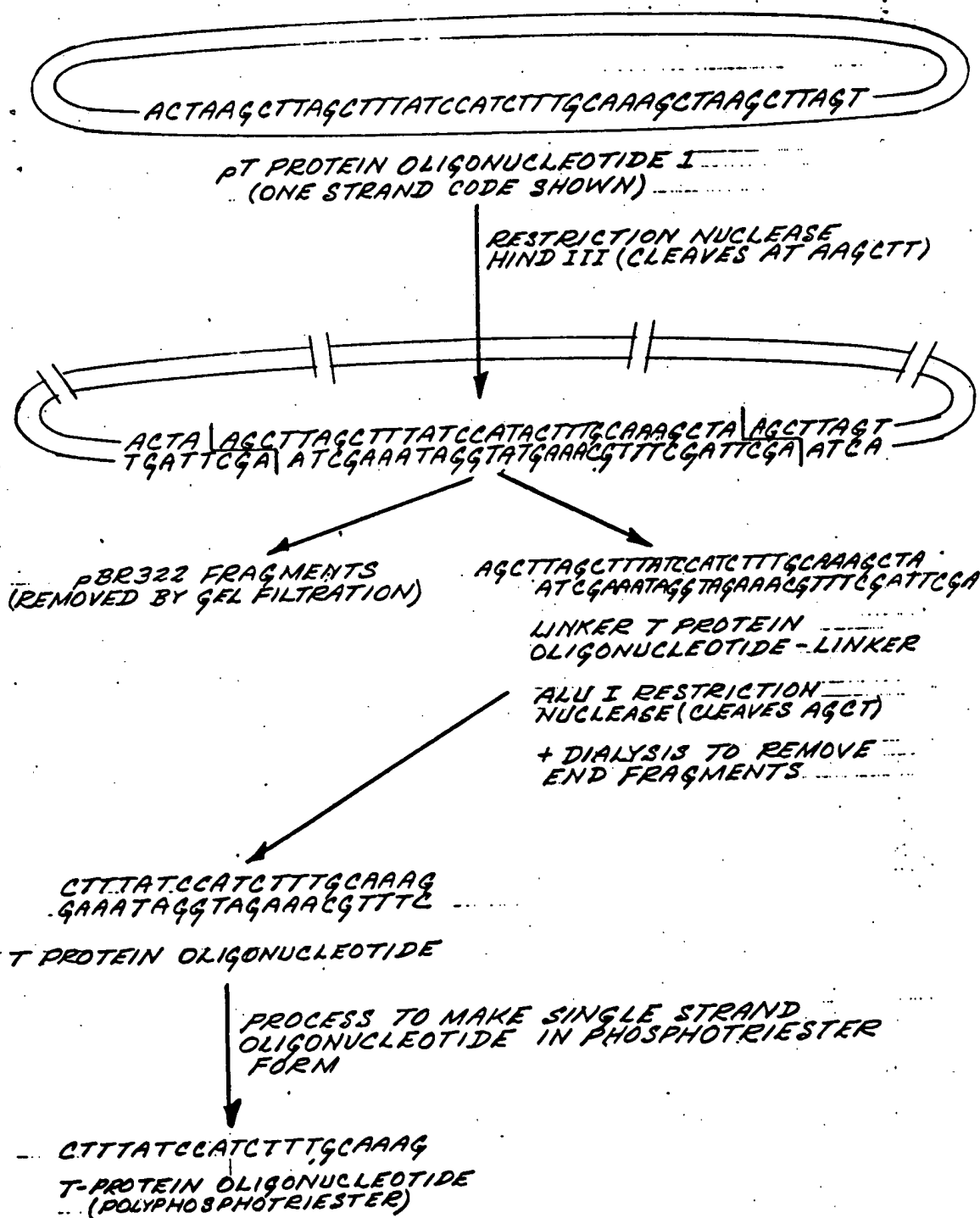
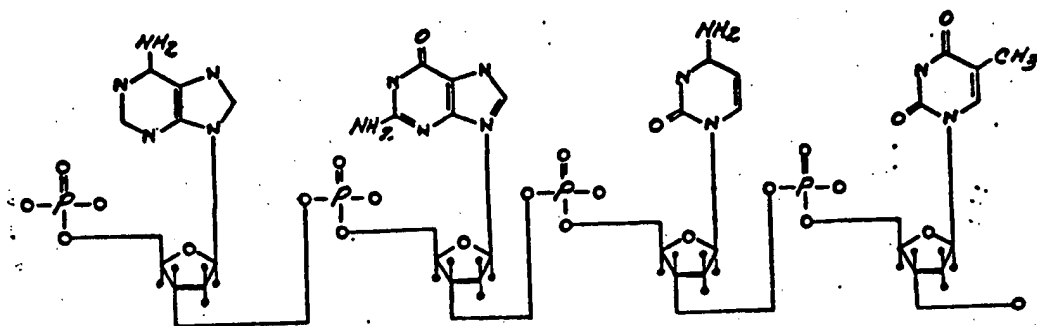


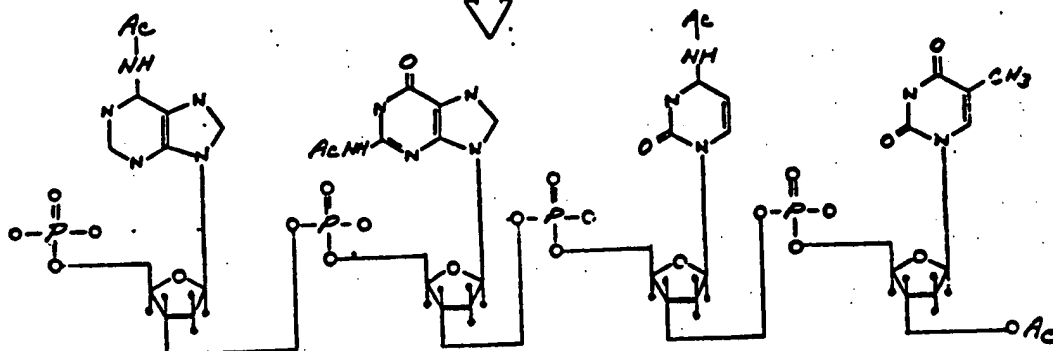
FIG. 6



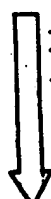
DNA SEGMENT



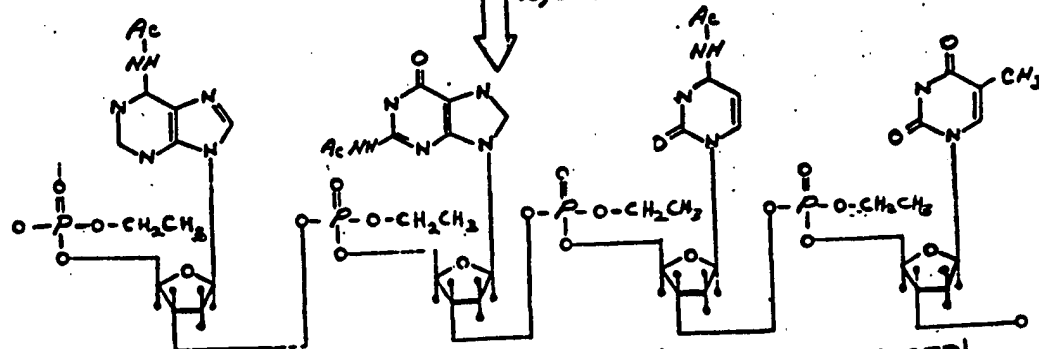
ACETIC ANHYDRIDE



ACETYLATED DNA (BASE PROTECTED)



30% ETHANOL
NN-DIMETHYLFORMAMIDE
17% TOLUENE SULFONYL CHLORIDE
2,6 LUTIDENE



DNA POLYPHOSPHOTRIESTER (BASE PROTECTED)

